



UNION CARBIDE CORPORATION P.O. BOX 180, SISTERSVILLE, WEST VIRGINIA 26175
Specialty Chemicals Division
SILICONES PLANT

June 21, 1988

MEMORANDUM TO: F. E. Dailey

COPIES TO: E. D. Southard }
J. J. Wisecup } Route one copy in this order
D. H. Mueller }
J. W. Hammel }
P. D. Shingleton }

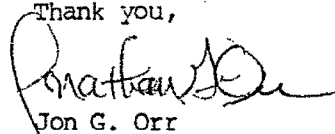
Fred,

Attached are the Request for Services, Waste characterization, and PCB inventory forms required for establishing contracts for off-site disposal of hazardous waste (PCB).

These forms will be routed to the HAMTRAC, E.A. Manager, and Danbury Purchasing prior to assigning a transporter and a disposer. Mr. Mueller's purchasing department will handle all contract matters. After a suitable transporter and disposal facility are chosen, we will be notified.

The drums containing PCB contaminated capacitors (drums No. 5, 6, 7, 8 and 9) are labeled properly and are ready to be loaded for shipment. One drum (#4) that contains nonregulated (PCB less than 50 ppm) miscellaneous equipment will be sent for incineration per corporate guidelines for PCB disposal. They are located at the North end of Small Scale Production on the PCB drum pad. All the recent information on the UCC hazardous waste disposal policy can be found under Disposal Records in the blue PCB II notebook.

✓ Thank you,


Jon G. Orr

JGO:slc
2178A

MPM001054

EPA005037

**REQUEST FOR SERVICES
HAZARDOUS WASTE DISPOSAL**

<u>Date:</u>	<u>Name</u>	<u>Location</u>	<u>Approval Signature</u>
Preparer:	J. G. Orr	Sistersville (380) South	
HAMTRAC Rep.:	J. T. Wisecup	Charleston (514) South	
Div. E.A. Mgr.:	E. D. Southard	Charleston (514)	
Purchasing:	D. H. Mueller	Danbury	

- Date 5/23/88
- Materials (or "Generator Codes") covered by this request (attach completed WCF's):
 1) PCB Contaminated capacitors 2) Misc. Equipment See data sheet
 Specialty Chemicals Primary Index 1st Order
 3. Generating Division/Component 380 Charge Number 770100 17 00038119
- Are Materials ready for shipment? Yes
- Deadline for removal from location July 10, 1988 Reason: 9 month storage of PCB's

Recommended disposal method Incineration - Required disposal method

- Preferred Contractor/Disposal location Unison
 Reason for preference They did a fine job last time (1987)

Date of last site audit N/A Audited by N/A Division N/A

- Indicate who will perform each of the following activities:
- | | | | | | |
|-----------|------------|----------------------------|----------|----------------|------------|
| Identify | <u>U</u> | Package | <u>U</u> | Transport | <u>T</u> |
| Analyze | <u>N/A</u> | Label | <u>U</u> | Treat | <u>C</u> |
| Inventory | <u>U</u> | Load for transport | <u>U</u> | Blend | <u>N/A</u> |
| Segregate | <u>N/A</u> | Provide placard | <u>U</u> | Store/tranship | <u>N/A</u> |
| Other | | (Generator responsibility) | | Dispose | <u>C</u> |

Code: U = UCC; C = Contractor; T = Transporter; S = Subcontractor of Contractor (identify, including EPA ID No.); O = Other (Identify); N/A = Not applicable

- Who provides shipping containers? UCC - Sistersville
 Containers to be returned? No

- Preferred transporter? Unison EPA ID No. _____
 Reason for preference They did a good job last time. (1987)

Comments _____

WASTE CHARACTERIZATION FORM (WCF)

DATE: 5/23/88



LOCATION Sistersville (380)

EPA I.D.# WVD004325353

EPA CODE None

CONTRACTOR'S CODE

GENERATOR'S CODE

STATE CODE

II. NAME OF WASTE Polychlorinated Biphenyls (PCB) contaminated capacitors and misc. equipment

PROCESS GENERATING WASTE Electrical Equipment

III. COMPOSITION

A. MAJOR COMPONENTS

1. PCB (greater than 50 ppm)
2. Capacitors
3. Zorbal (packing material)
4. Misc. nonregulated light balasts
- 5.

C. ONE TIME
OR TYPICAL
ANALYSIS

PCB

D. CONCENTRATION

RANGE

UPPER LOWER

100% 100%

E. EXPOSURE LIMITS

ACGIH/OSHA

I. TRACE COMPONENTS NOT LISTED ABOVE (PPM)

As - Ar - Ba - Cd - Cl* - Cr -
Cu - F* - Hg - I* - N* - Ni - P* -
Pb - S* - Se - Zn -

F. DOES THE WASTE CONTAIN:

Sulfides Yes No ☒
Cyanides Yes No ☒
PCB's ☒ Yes No ☒
Phenolics Yes No ☒
Insecticides, pesticides, herbicides, or
rodenticides Yes No ☒

I. OTHER

IV. PHY. STATE @ 25°C (CIRCLE): SOLID, LIQUID, SLUDGE, LIQUID/SOLID PHASES, GAS

OTHER See attached data sheet

V. INCINERATION DATA N/A

Sulfur % Nitrogen %
Ash % Total Halogens %
Heating Value BTU/lb.
Solids: Suspended %
Dissolved %
Viscosity cps
Vapor Pressure @ 50°F psia

- IS THERE A DUSTING HAZARD IF CONTAINERS ARE OPENED? No
- MULTIPLE PHASES? No VOL % OF EACH PHASE % SOLID % LIQUID
- CAN THE WASTE BE PUMPED? No Poured? No
- % FREE FLOWING N/A (VOLUME %)
- PRESSURE OF CONTAINER Ambient psig
- % SEPARATE PHASE WATER ESTIMATED SPECIFIC GRAVITY

VI. PROPERTIES N/A

FLASH POINT °F (Closed Cup) CORROSIVE OSHA CARCINOGEN
COLOR pH ODOR (YES/NO)
REACTIVE
TOXIC
PYROPHORIC
SHOCK SENSITIVE EXPLOSIVE RADIOACTIVE
OTHER ETIOLOGICAL

II. D.O.T. SHIPPING NAME Hazardous Substance Liquid, NOS

D.O.T. HAZARD CLASSIFICATION ORM-E NA 9188 RQ (Polychlorinated biphenyls)

D.O.T. PLACARD N/A D.O.T. LABEL N/A UN/NA NO.

III. SHIPPING CONTAINERS

BULK	DOT SPEC	APPROX. WEIGHT PER CONTAINER	CONTAINER LABEL USED
DRUMS			
SIZE	MATERIALS OF CONSTR.	DOT SPEC.	
55 gal	steel	17-H	approx. 300
OTHER			PCB

IX. VOLUME

ANNUAL 5 drums (10 capacitors) REQUEST 6 drums PER SHIPMENT 6 drums

X. REMARKS (TREATMENT OF SPILLS/SAFETY SUGGESTIONS/MSDS)

Refer to attached data sheet on PCB contaminated capacitors.

Organically bound

PREPARED BY:

LOCATION:

TELEPHONE:

V. 3/12/87

M/MDR 0947g

MPM001056

EPA005039

PCB DISPOSAL DATA SHEET

CAPACITOR

CAP. #	NON REG.	95	36	37	18	19
CAP. TYPE	PCB WASTE	n/a	FP	FP	2043 PFD	2043 PFD
SERIAL NUMBER	n/a		6761761	6764610	54267	53866
DATE OUT OF SERVICE	n/a	10/8/87	5/3/88	5/3/88	5/3/88	5/3/88
DRUM No.	4	5	5	5	6	6
PCB (Lbs.)	n/a	38.7	38.7	38.7	38.7	38.7
CAPACITOR MFR.	n/a	WEST.	WEST.	WEST.	SPRAGUE	SPRAGUE

SUMMARY

DRUM NUMBER	TOTAL DRUM WEIGHT	CONTENTS
4	502 LBS.	MISCELLANEOUS NONREGULATED PCB WASTE
5	460 LBS.	CAPACITORS 95,36,37
6	472 LBS.	CAPACITORS 18,19,21
7	462 LBS.	CAPACITORS 20,22,23
8	465 LBS.	CAPACITORS 24,25,26
9	475 LBS.	CAPACITORS 27,28,29

note: Drum #4 contains light ballasts from fluorescent light fixtures. Most of light ballasts are labeled "Contains no PCB". Some of the light ballasts labels do not state whether PCB are present.

All of the light ballasts are nonregulated PCB wastes. Drum #4 also contains a small nonregulated transformer from a temperature regulator. Tests on the transformer oil did not indicate presence of PCB. The transformer is wrapped in a plastic bag because it had a leak. The transformer was placed in Drum #4 for added precaution.

MPM001057

EPA005040

CAP. #	20	21	22	23
CAP. TYPE	2043 PFD	2043 PFD	2043 PFD	2043 PFD
SERIAL NUMBER	54658	54634	64638	64634
DATE OUT OF SERVICE	5/3/88	5/3/88	5/10/88	5/10/88
DRUM No.	7	6	7	7
PCB (Lbs.)	38.7	38.7	38.7	38.7
CAPACITOR MFGR.	SPRAGUE	SPRAGUE	SPRAGUE	SPRAGUE

CAP. #	26	27	28	29
CAP. TYPE	2043 PFD	2043 PFD	2043 PFD	2043 PFD
SERIAL NUMBER	54270	54696	54659	54657
DATE OUT OF SERVICE	5/11/88	5/11/88	5/11/88	5/11/88
DRUM No.	8	9	9	9
PCB (Lbs.)	38.7	38.7	38.7	38.7
CAPACITOR MFGR.	SPRAGUE	SPRAGUE	SPRAGUE	SPRAGUE